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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of	)	Group Art Unit:
William Wadsworth	)	Examiner:
Application No.: 10/583,961	)	Confirmation No.:
Filing Date: June 21, 2006	)	
Title: A BROAD SPECTRUM LIGHT	)	
SOURCE	)	

**FIRST  
INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement (IDS) and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the fee due.
- ☐ Charge \_\_\_\_\_ to credit card for the fee due. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date October 3, 2006

By: William C. Rowland  
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Registration No. 30,88

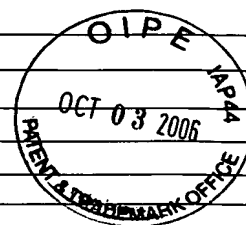
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# **FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

Application Number	10/583,961
Filing Date	June 21, 2006
First Named Inventor	William Wadsworth
Examiner Name	
Attorney Docket No.	1034279-000022



## **U.S. PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	6,236,779	B1	Kafka et al.	05-22-2001
	2004/028356	A1	Birks et al.	02-12-2004

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	* 102 20 871	A1	Germany	11-20-2003				X			
	* WO 2003/096490	A2	WIPO	11-20-2003				X			
	* WO 01/86347	A1	WIPO	11-15-2001							

## **NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	* Town G E et Al: "Optical supercontinuum generation from nanosecond pump pulses in an irregularly microstructured air-silica optical fiber"; Applied Physics B, vol. B77, no. 2-3, Sept. 2003, pp.235-238; Springer-Verlag Germany, ISSN: 0946-2171
	* Wadsworth W J et Al: "Supercontinuum and four-wave mixing with Q-switched pulses in endlessly single-mode photonic crystal fibres", Optics Express, Opt. Soc. America USA, vol. 12, no. 2, 26 Jan. 2004, pp. 299-309; ISSN: 1094-4087
	* Wadsworth W J et Al: "Compact supercontinuum generation and four-wave mixing in PCF with 10ns laser pulses" (CLEO), Conference on San Francisco, CA, USA, May 20-21, 2004, IEEE, vol. 2, 20 may 2004, pp. 37-38, XP010744482
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	* Seefeldt M et Al: "Compact white-light source with an average output power of 2.4 W and 99 nm spectral bandwidth"; Optics Communications, North-Holland Publishing Co., vol 216, no. 1-3, 1 Feb. 2003, pp. 199-202; XP004404801
	* D. Mogilevtsev, T.A. Birks and P.St.J. Russell, "Group-velocity dispersion in photonic crystal fibres," Opt. Lett., 23 (21), 1662-1664 (1998)
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	* T.A. Birks, J.C. Knight, and P.St.J. Russell, "Endlessly single-mode photonic crystal fibre," Opt. Lett. 22, 961-963 (1997)
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	* Schreiber et al., pp. 71-78, Opt. Comm. Vol. 228 (2003)

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**FIRST**  
**INFORMATION DISCLOSURE**  
**STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 2

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	* Coen et al., pp. 1356-1358, Opt. Lett., Vol. 26 (2006)
	* Dudley et al., pp. 765-771, J. Opt. Soc. Am. B, Vol. 19 (2002)
	* J.D. Harvey, R. Leonhardt, K.L.G. Wong, J.C. Knight, W.J. Wadsworth and P.St.J. Russell, "An optical parametric oscillator in the visible using PCF," CLEO 2003, paper CMR3 (2003)
	* Bjarklev, Broeng and Bjarklev in "Photonic Crystal Fibers", Kluwer Academic Press, 2003, chapter 4, pp. 115-130
	* Copy of International Search Report from PCT/EP2004/053653
	* Copy of Search Report from GB 0329629.0
	* International Preliminary Patentability Report from PCT/EP2004/053653

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